AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in this application.

1. (currently amended) An implant ~~(1)~~ for bone fixation ~~A) consisting of~~ comprising:

a body having an upper surface and a bottom surface wherein the body is formed of a plastic material;

at least four openings extending from the upper surface through to the bottom surface each of which opening is configured to receive ~~combination of metal and plastic materials; and B) at least one passage (2) running through the implant (1) with an axle (3) for receiving~~ a bone fixation device; and

at least four peripheral perimeters each of which perimeter is made in the form of a metallic rectangular die;

wherein each peripheral perimeter is rigidly inserted into one of the multiple openings. ~~C) the passage (2) is provided with a peripheral perimeter (4) that is made of a material that is different than a material of the implant (1) surrounding the perimeter (4); and D) the peripheral perimeter (4) is linked form-fittingly rigidly to the plastic material (7) of the implant.~~

2. (canceled)

3. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein the perimeter ~~(4)~~ has a polygonal external form.

4. (canceled).

5. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein the peripheral perimeter ~~(4)~~ is made of one of a metal and a metal alloy~~, and wherein the material surrounding the perimeter (4) is plastic~~.

6. (canceled).

7. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein the plastic material is chosen from the Polyaryletherketone (PEEK) family.

8. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein PEEK is used as the plastic material.

9. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein the plastic material is reinforced with a reinforcing material selected from the group consisting of carbon fibers and PEEK fibers.

10. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein the metal material is selected from the group consisting of titanium, titanium alloy, and implant steel.

11. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein the ~~elements of~~ the ~~implant that are made of~~ plastic ~~are~~ is covered with a coating, said coating being selected from the group consisting of titanium and Hydroxylapatite.

12. (canceled).

13. (canceled).

14. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein the peripheral perimeter ~~(4)~~ is made of a metal or a metal alloy and is set lowered in the ~~plastic surrounding the perimeter (1)~~ body, vis-a-vis the upper surface ~~side (6)~~.

15. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein the peripheral perimeter ~~(4)~~ is made of a metal or a metal alloy and set raised in the ~~plastic surrounding the perimeter (1)~~ body, vis-a-vis the upper surface ~~side (6)~~.

16. (currently amended) The implant ~~(1)~~ in accordance with claim 1, wherein a level containing or laid on the perimeter ~~(4)~~ has an angle in the range 0.1° to 20.0° to the ~~plate~~ body level.

17. (canceled).

18. (canceled).

19. (canceled).

20. (canceled).

21. (canceled).

22. (canceled).

23. (canceled)

24. (New) An implant for bone fixation comprising:

a body having an upper surface and a bottom surface wherein the body is formed of a plastic material;

one or more sleeve shaped openings extending from the upper surface through to the bottom surface each of which opening is configured to receive a bone fastener;

a first peripheral perimeter formed of titanium material; and

a second peripheral perimeter formed of titanium material;

wherein the first and second peripheral perimeters are joined together and rigidly inserted within the sleeve shaped opening.

25. (New) An implant for bone fixation comprising:

a body having an upper surface and a bottom surface wherein the body is formed of a plastic material;

one or more sleeve shaped openings extending from the upper surface through to the bottom surface each of which opening is configured to receive a bone fastener;

a first peripheral perimeter formed of titanium material and containing a sleeve shaped extension; and

a second peripheral perimeter formed of titanium material;

wherein the first and second peripheral perimeters are joined together and rigidly inserted within the sleeve shaped opening and wherein the sleeve shaped extension is located above the upper surface of the body and acts as a target aid for the bone fastener.